



Technologies
for water

Water Supply and Sanitation for All

Obligation of the
water professionals for
our common future

International Symposium
September 27 – 28, 2007
Berching – Germany

in cooperation with:



International
Water Association





➤➤ Change of Paradigms !?

Climate change, population growth, migration and urban sprawl are factors forcing us to reconsider the traditional approach to urban water management. The water supply and sanitation infrastructure currently in use worldwide was developed in and for countries which are relatively wealthy, and which have access to plenty of water. Unfortunately, conditions like this are not common in other parts of the world, and they may become uncommon even in many of the industrialized countries.

Is it really wise to build the same kind of infrastructure and to apply the same methods and processes in regions with different climatic, ecological and economical conditions? Should we maintain our flush and discharge sanitation concepts while freshwater is becoming a limited resource? Aren't there smarter, more environmentally sound methods to use and safeguard our precious water resources? Are water authorities, city planners, architects, regulators and politicians ready to accept innovative solutions deviating from those described in text books?

Questions like these will be raised during our symposium, and we will jointly search for answers. We, the organizers, encourage open and controversial discussions, although we admit to believe that wastewater should no longer be viewed and treated as waste, but as a valuable resource.

Hans G. Huber

Prof. Dr. Peter Wilderer

Dr. Stefania Paris



►► Date and Venue

September 27 – 28, 2007
Europahalle, Schlesierstr. 19
92334 Berching, Germany

►► Registration

Early registration is highly recommended.
Closing date: 15 August 2007

►► Participation Fee

None

►► Conference Language

English with simultaneous translation into German

►► Information

Ms. Susanne Lindner
Hans Huber AG, Industriepark Erasbach A1
92334 Berching, Germany
Tel.: +49 - 84 62 - 201 - 555
Fax: +49 - 84 62 - 201 - 88 555
e-mail: ls@huber.de
Internet: www.huber.de/symposium2007

►► Accommodation

For accommodation, please refer to our website
www.huber.de/symposium2007/hotels

Early reservation is recommended.



27th September 2007

8.30 REGISTRATION

Session I - Welcome

- 9.00 INTRODUCTION by Mr. Tom Vereijken
European Water Partnership
- 9.10 WORDS OF WELCOME from Minister Dr. Annette Schavan
Dr. Heike Bauer
Federal Ministry of Education and Research, Germany
- 9.15 WATER IS LIFE – WATER FROM THE BIBLICAL AND
THEOLOGICAL POINT OF VIEW
Dr. Gregor Maria Hanke
Bishop of Diocese of Eichstätt, Germany
- 9.25 WATER SUPPLY AND SANITATION FOR ALL – EACH
ONE OF US CAN CONTRIBUTE
Prof. Dr. Hans Hermann Hahn
Heidelberg Academy of Science, Germany
- 9.40 REALISATION OF THE MDGs
Mr. Paul Reiter
International Water Association, United Kingdom
- 9.55 THE IMPACT OF CLIMATE CHANGE ON URBAN WATER
MANAGEMENT AND THE NEED FOR POLITICAL
ACTION
Minister Dr. Werner Schnappauf
Bavarian Ministry of Environment, Health and
Consumer Protection, Germany
- 10.10 Coffee break

Session II - Enabling Framework

- 10.25 INTRODUCTION by Prof. Dr. Jiri Wanner
University of Prague, Czech Republic
- 10.30 THE RELEVANCE OF WATER FOR ECONOMIC
DEVELOPMENT – THE CASE OF ASIA'S EMERGING
NATIONS LIKE INDIA
Prof. Dr. Michael von Hauff
University of Kaiserslautern, Germany
- 10.50 GOOD GOVERNANCE AND WHAT BAVARIAN
ADMINISTRATION CAN CONTRIBUTE TO THIS
Dr. Martin Grambow
Bavarian Ministry of Environment, Health and
Consumer Protection, Germany
- 11.10 BUILDING COMPETENCE FOR HEALTH AND WEALTH
THROUGH INTEGRATED CAPACITY DEVELOPMENT ON
WATER AND SANITATION
Prof. Dr. Günter Klein
German Federal Environmental Protection Agency,
Germany
- 11.30 SANITATION PLANNING – A TOOL TO ACHIEVE
SUSTAINABLE SANITATION
Dr. Elisabeth Kvarnström
Verna Ekologi AB, Sweden
- 11.50 Lunch



- 13.20 THE 7TH FRAMEWORK PROGRAMME AND THE PROMOTION OF INNOVATION IN THE WATER SECTOR
Dr. Andrea Tilche
European Commission, Belgium
- 13.40 APPROPRIATE TECHNOLOGY FOR WASTEWATER TREATMENT AND REUSE IN DEVELOPING COUNTRIES
Dr. Menahem Libhaber
The World Bank, United States of America
- 14.00 AN ARCHITECTURE OF WATER PURIFICATION
Mr. Michael Pawlyn
Grimshaw, United Kingdom
- 14.20 DISCUSSION
- 14.35 Coffee break

Session III - Purification to Recovery

- 14.50 INTRODUCTION by Prof. Dr. Harald Horn
Technical University of Munich, Germany
- 14.55 FROM WASTEWATER TO NEWATER
Mr. Khoo Teng Chye
Ministry of the Environment, Singapore
- 15.15 WATER SUPPLY AND SANITATION DEVELOPMENTS FOR FUTURE SPACE MISSIONS
Dr. Christoph Lasseur
European Space Agency, the Netherlands
- 15.35 Coffee break
- 15.50 PILOT STUDY ON THE TREATMENT OF DOMESTIC WASTEWATER BY SMBR SYSTEM AT LOW ORGANIC LOADING
Prof. Dr. Lin Wang
Ocean University of China, China
- 16.10 FRANCHISING – A NEW APPROACH FOR FINANCING AND REALISATION OF SUSTAINABLE SOLUTIONS FOR WATER AND SANITATION
Prof. Dr. Karl-Ulrich Rudolph
Private University of Witten/Herdecke, Germany
- 16.30 DISCUSSION

Conclusion of the Day

- 16.45 WATER AND MUSIC – MUSIC AND WATER
Dr. Manuela Jahrmärker
University of Bayreuth, Germany
- 17.00 Dinner
- 19.30 CONCERT with piano music, songs and arias in the Monastery of Plankstetten, "The water murmur'd, the water rose..." with Miku Nishimoto et al.



28th September 2007

Session IV - Central to Decentral

- 9.00 INTRODUCTION by Prof. Dr. Johannes Pinnekamp
RWTH Aachen University, Germany
- 9.05 SEMI-CENTRALIZED SUPPLY AND TREATMENT
SYSTEMS FOR FAST GROWING URBAN AREAS
Prof. Dr. Peter Cornel
Technical University Darmstadt, Germany
- 9.25 SOURCE CONTROL – AN EFFICIENT ALTERNATIVE TO
END-OF-PIPE TREATMENT
Prof. Dr. Willy Gujer
Swiss Federal Institute for Environmental Science and
Technology, Switzerland
- 9.45 SEPARATE DISCHARGE AND TREATMENT OF URINE,
FAECES AND GREYWATER – EU DEMONSTRATION
PROJECT (SCST)
Mr. Ludwig Pawlowski
Berlin Competence Centre Water, Germany
- 10.05 APPLICATION OF THE CONCEPT OF
DECENTRALIZATION AND REUSE FOR DESIGNING A
SUSTAINABLE URBAN WATER SYSTEM IN WATER
DEFICIENT AREA
Dr. Xiaochang Wang
Xi'an University of Architecture and Technology, China
- 10.25 Coffee break
- 10.40 DE-CENTRAL TREATMENT OF SOURCE SEPARATED
URINE TO ENHANCE CENTRAL WASTEWATER
TREATMENT AND PROTECT SEWERS
Mr. Jac Wilsenach
CSIR, South Africa
- 11.00 CENTRAL TO DECENTRAL – QUANTITATIVE
MONITORING OF PROGRESS THROUGH A RATING
SYSTEM
Prof. Dr. Goen Ho
Mudroch University, Australia
- 11.20 IS DECENTRALISATION LOW-TECH OR HIGH-TECH?
Prof. Dr. Franz-Bernd Frechen
University of Kassel, Germany
- 11.40 DISCUSSION
- 11.55 Lunch



Session V - Discharge to Reuse

- 13.25 INTRODUCTION by Prof. Dr. Helmut Kroiss
Technical University of Vienna, Austria
- 13.30 MILESTONES IN MUNICIPAL WASTEWATER REUSE
Prof. Dr. Takashi Asano
University of California - Davis,
United States of America
- 13.50 WATER REUSE IN AFRICA – NEEDS, CHANCES AND
OBSTACLES
Dr. Akica Bahri
International Water Management Institute, Ghana
- 14.10 WATER AND WASTEWATER TREATMENT
ALTERNATIVES AND QUALITY STANDARDS TOWARD
A COMPREHENSIVE REUSE POLICY
Prof. Dr. Asher Brenner
Ben-Gurion University of the Negev, Israel
- 14.30 DISCUSSION
- 14.45 Coffee break

Session VI - Medium-Sized Enterprises (MSE)

- 15.00 INTRODUCTION by Prof. Dr. Max Dohmann
RWTH Aachen University, Germany
- 15.05 SUSTAINABILITY AND INNOVATION PROCESSES – A
CHALLENGE FOR MSE
Prof. Dr. Franz Bischof
Amberg University of Applied Sciences, Germany
- 15.25 HUBER SOLUTIONS FOR GLOBAL WATER
CHALLENGES
Dr. Johann Grienberger
Huber Technology, Germany
- 15.45 A CONTRIBUTION TO SUSTAINABLE DEVELOPMENT
THROUGH RESEARCH AND DEVELOPMENT
Dr. Stefania Paris
Huber Technology, Germany
- 16.05 DISCUSSION

Summary

- 16.20 CONCLUSION by Prof. Dr. Peter Wilderer
Institute of Advanced Studies on Sustainability,
Germany

Birthday Reception

- 17.00 Hans Huber 65
Get together at the ReUse Park



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➤➤ Conference Center

Europahalle, Schlesierstr. 19
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➤➤ HUBER ReUse Park

Water moves the world



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15 August 2007

I will attend the International Symposium
27 - 28 September 2007 with _____ persons

I am unable to participate
Please send me the conference papers

Place / Date

Signature



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Closing date:
15 August 2007

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Hans Huber AG
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TECHNOLOGY

Hans Huber AG
Maschinen- und Anlagenbau
Industriepark Erasbach A1
92334 Berching, Germany
Tel.: +49 - 84 62 - 201 - 555
Fax: +49 - 84 62 - 201 - 88 555
info@huber.de
www.huber.de